

Lightweight Laser Designator Rangefinder (LLDR), AN/PED-1



Mission

Provide U.S. Army fire support teams and forward observers with a man-portable capability to observe and accurately locate targets, digitally transmit target location data to the tactical network, and laser-designate high-priority targets for destruction by precision munitions.

Description and Specifications

The **Lightweight Laser Designator Rangefinder (LLDR) AN/PED-1** is a man-portable, modular target location and laser designation system. The two primary components are the **Target Locator Module (TLM)** and the **Laser Designator Module (LDM)**. The TLM can be used as a stand-alone device or in conjunction with the LDM. Total system weight to conduct a 24-hour mission is 35 pounds.

The TLM incorporates a thermal imager, day camera, electronic display, eye-safe laser rangefinder, digital magnetic compass, Global Positioning System (GPS) electronics, and digital export capability. The TLM has an integral capability for boresighting with the LDM, enabling the operator to see the laser spot and align the system. The LDM emits coded laser pulses compatible with DoD and NATO laser-guided munitions. LLDR is highly accurate and operable during the day, at night, and in battlefield obscured conditions.